

Abstract

The present invention provides an irradiation chamber comprising: a rigid first plate  
5 having a first surface and a second surface having a raised boundary surrounding a  
plurality of raised partitions; a rigid second plate having a first surface and a second  
surface having a raised boundary surrounding a plurality of raised partitions;  
wherein the second surface of said rigid first plate is contacted with second surface  
of said rigid second plate thereby forming a chamber; said chamber, defined by the  
10 raised boundary surrounding the plurality of raised partitions which extend from said  
second surface of said first plate and said second surface of said second plate, said  
chamber having a first port and a second port, wherein a plurality of channels are  
formed by said partition and are in fluid communication with the first port and  
second port. The present invention also provides a method of using the irradiation  
15 chamber in the treatment of cells.